



METROPOLITAN
TRANSPORTATION
COMMISSION

Agenda Item No. 3

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Memorandum

TO: Operations Committee

DATE: April 1, 2011

FR: Executive Director, Operations

W.I. 2650, 2651, 2652

RE: 511 Program Contract Actions

- i. 511 Traffic Change Order – New Parking Functionality: Science Application International Corporation (\$255,000)
- ii. 511 Transit Contract Amendment – Enhancements for Multi-Modal Trip Planner and Transit Information: Science Application International Corporation (\$250,000)
- iii. Funding Agreement – 511 Parking Project: SFMTA (\$125,000)

In March 2009, MTC received a \$6 million grant through the Urban Partnership Program (UPP) from the US Department of Transportation (US DOT) for several projects. Under the grant agreement, MTC received \$4.3 million for various enhancements to the 511 traveler information service. In addition, US DOT provided \$1.1 million for MTC to field test the capabilities of IntelliDriveSM technology, specifically with respect to improving express lane operations.

At its December 10, 2010 meeting, this Committee approved staff's recommendation to cancel the IntelliDriveSM project and directed staff to explore reallocation of unspent IntelliDriveSM federal funds (\$1,018,000) to other UPP projects. USDOT has agreed to allow MTC to apply these funds to other ongoing projects under the UPP agreement.

Recommendation

Staff recommends that the Operations Committee authorize the Executive Director or his designee to negotiate and enter into: 1) a change order to the 511 Traffic contract with Science Application International Corporation (SAIC), 2) an amendment to the 511 Transit contract with SAIC, and 3) a funding agreement with the San Francisco Municipal Transportation Agency (SFMTA) to complete work funded by reallocation of unspent IntelliDriveSM federal funds, as detailed below:

i. 511 Traffic Change Order: New Parking Functionality: SAIC Traffic Contract (Change Order = \$255,000)

The original USDOT grant agreement included funding to build a 511 Parking feature which, when completed, will provide parking space availability, garage location, and pricing information for select San Francisco municipal parking facilities. 511 will also provide general information (not real-time availability) about parking near transit hubs throughout the region. The system design allows for eventual regional expansion for real-time parking information.

Under this contract change order, MTC will develop the following:

- Mobile website for parking information dissemination;

- Enhancements to web mapping functionality, such as better user mapping interfaces;
- Application Programming Interface (API) to provide a data feed for third parties and facilitate internal data exchange; and lastly,
- Data loading tool to add static parking data to support expansion of 511 parking's geographic coverage.

Subject to approval by this committee, MTC will execute a change order to the 511 Traffic contract to add this scope and \$255,000 in funding.

ii. 511 Transit Contract Amendment: Enhancements for Multi-Modal Trip Planner and Transit Information: SAIC Transit Contract (Contract Amendment = \$250,000)

The original grant agreement also included funding to develop a multi-modal trip planner. This tool will extend the existing 511 transit trip planner to compare driving trips with transit trips and “drive to transit trips” in terms of time, cost, and carbon emissions. The project is scheduled for rollout in three phases starting in Fall 2011 and ending in Spring 2012.

Under this amendment, funding will be added to the 511 Transit contract to:

- Update the trip planner's database and user interface to better handle the complexities and amount of parking data.
- Incorporate real-time parking availability information into the trip planner.
- Update 511 to use one database for configuration data provided by transit agencies instead of two. Currently transit operators provide two separate data feeds to 511: a data feed with schedule information and a real-time vehicle departure time data feed. Both feeds share the same type of configuration data (e.g. route names, directions, and stop names). The investment will yield savings to both 511 and transit agencies.
- Support operations and maintenance for real-time transit enhancements.

Subject to approval by this committee, MTC will amend the existing 511 Transit contract to add this scope and \$250,000 in funding.

iii. Funding Agreement with SFMTA for 511 Real-Time Parking Project (\$125,000)

The US DOT UPP grant agreement has provided funds to MTC to develop a 511 parking information service. The SFMTA UPP *SFpark* project is to provide the data to 511. These funds will enable SFMTA to provide its parking data to 511 in the data protocols designed for the 511 regional system.

Steve Heminger

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Change Order

Work Item No.: 2650

Contractor: Science Application International Corporation (SAIC):
511 Traffic Contract

Project Title: 511 Real-Time Parking

Purpose of Project: Further enhance parking information service developed with original UPP funding.

Brief Scope of Work: Develop a mobile parking information website, parking website enhancements, an Application Programming Interface for parking data, and a parking data loading tool.

Project Cost Not to Exceed: \$255,000

Funding Source: ITS-OTMC (federal UPP funds - 80%)
SAFE (local match - 20%)

Fiscal Impact: Funds included in FY 2010-11 agency budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a contract change order with SAIC for UPP work described in the Executive Director's memorandum dated April 1, 2011, and the Chief Financial Officer is directed to set aside funds in the amount of \$255,000 for such change order.

Operations Committee:

Jake Mackenzie, Chair

Approved: Date: April 8, 2011

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendment

Work Item No.:	2651, 2652
Contractor:	Science Application International Corporation (SAIC): 511 Transit Contract
Project Title:	511 Multi-Modal Trip Planner and Transit Information
Purpose of Project:	Further enhance the multi-modal trip planning tool, which will allow users to compare driving trips, transit trips, and “drive to transit” trips in terms of time, cost, and emissions. Further expand access to real-time transit information.
Brief Scope of Work:	This funding will be used to complete parking data collection for “drive to transit” trips in the multi-modal trip planner and to add real-time parking availability information. To increase the efficiency of real-time transit departure times, establish a single database for all 511 transit configuration data. Provide contractor support for operations and maintenance of real-time transit enhancements.
Project Cost Not to Exceed:	\$250,000
Funding Source:	ITS-OTMC (federal UPP funds - 80%) STA and SAFE (local match - 20%)
Fiscal Impact:	Funds included in FY 2010-11 agency budget
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with SAIC for UPP work described in the Executive Director’s memorandum dated April 1, 2011, and the Chief Financial Officer is directed to set aside funds in the amount of \$250,000 for such an amendment.
Operations Committee:	<hr/> Jake Mackenzie, Chair
Approved:	Date: April 8, 2011

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Funding Agreement

Work Item No.: 2650

Contractor: San Francisco Municipal Transportation Agency (SFMTA)

Project Title: 511 Real-Time Parking Data Integration

Purpose of Project: Integrate parking data from San Francisco Municipal Transportation Authority (SFMTA)'s UPP *SFpark* project for one (1) parking lot, fourteen (14) garages, and six thousand (6000) on-street metered spaces.

Brief Scope of Work: SFMTA to provide project management, oversight, and coordination with *SFpark* technical subcontractor.

SF*park* subcontractor to provide integration of *SFpark* data to the 511 Parking system.

Project Cost Not to Exceed: \$125,000

Funding Source: ITS-OTMC (federal UPP funds - 80%)
SAFE (local match - 20%)

Fiscal Impact: Funds included in FY 2010-11 agency budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a funding agreement with SFMTA related to integration of *SFpark* data with the 511 Real-Time Parking system, and the Chief Financial Officer is authorized to set aside funds up to \$125,000 for such a funding agreement.

Operations Committee:

Jake Mackenzie, Chair

Approved:

Date: April 8, 2011